UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.	67,007-010; R-05326	TO
First Inventor	Jung	S.
Title	High-Efficiency Turbulators	. ⊃
Express Mail Label No.	EV220475142US	270

10000	ionprovisional applications under 57 Of K 1.55(b))	Express Mail Label No. LVZZO	11011200
	PPLICATION ELEMENTS er 600 concerning utility patent application contents.	ADDRESS TO: Commiss P.O. Box	o Patent Application sioner for Patents 1450 ria VA 22313-1450
2. Submit and Applicant of See 37 CF Specification (preferred and Descriptive - Cross Reference or a computer - Backgroun - Brief Summare - Brief Descriptive - Detailled Declaim(s)	on [Total Pages 13] rangement set forth below) te title of the invention erence to Related Applications Regarding Fed sponsored R & D to sequence listing, a table, after program listing appendix d of the Invention mary of the Invention ription of the Drawings (if filed)	ii. Paper c. Statements verifyin ACCOMPANYING A	endix) I Sequence Submission Form (CRF)
5. Oath or Declarat a. Newly 6 b. Copy fro (for con) i. DEL Signe name 1.636	tion [Total Sheets 6] executed (original or copy) om a prior application (37 CFR 1.63(d)) tinuation/divisional with Box 18 completed) ETION OF INVENTOR(S) ed statement attached deleting inventor(s) e in the prior application, see 37 CFR (d)(2) and 1.33(b). on Data Sheet. See 37 CFR 1.76	10. 37 CFR 3.73(b) Statem (when there is an assignment of the content of the cont	Attomey cument (if applicable) Copies of IDS Citations of (MPEP 503) itemized) ty Document(s) imed) Attomey Copies Citations Of IDS Citations Of IDS Citations
18. If a CONTINUII specification following Continuation	NG APPLICATION, check appropriate box, an ng the title, or in an Application Data Sheet un on Divisional Co	der 37 CFR 1.76:	nd in the first sentence of the
Prior application inform For CONTINUATION 5b, is considered a p		Art Unit: of the prior application, from which an oath uation or divisional application and is hereby	or declaration is supplied under Box y incorporated by reference.
	19. CORRES	PONDENCE ADDRESS	
Customer N	Number: 026096	OR Corre	espondence address below
	EODORE W. OLDS		
Address Ca	rlson Gaskey & Olds, P.C.		
400	O West Maple Road, Suite 350	State MI	Zip Code 49000
, ,	mingham ited States of America	Telephone 248-988-8360	Fax 248-988-8363
		Registration No. (Attorney/Agent)	
Signature	THEODORE W. OLDS	registration No. (Attorney/Agent)	00,000
(Signature			December 11, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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December 11, 2003

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Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Number

Tor FY 2004 Effective 10/01/2003. Patent fees are subject to annual revision.			Tilling Date			i letewith		
			First Named Inventor		Jung	Jung		
Applicant claims small entity status. See 37 CFR 1.27			Examiner Name					
		Art Unit						
TOTAL AMOUNT OF PAYMENT (\$) 810.00		Attorney Docket No. 67,007-010; R-05326						
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
✓ Check Credit card Money Other None		3. ADDITIONAL FEES						
Deposit Account:		Large Entity Small Entity Fee Fee Fee Fee Fee Fee Pescription						
Deposit 50 4 400			Fee Fe Code (\$		Fee D	escription	Fee Paid	
Number		130	2051	65 Sur	charge - late	filing fee or oath		
Deposit Account Carlson, Gaskey & Olds		2 50	2052		charge - late er sheet	provisional filing fee or		
Name The Director is authorized to: (check all that apply)		3 130			n-English spe			
Charge fee(s) indicated below Credit any overpayments		2 2,520	1812 2,		-	st for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)		920*	1804		questing publi aminer action	ication of SIR prior to		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1,840*	1805 1,	840* Red Exa	questing publ aminer action	ication of SIR after		
FEE CALCULATION		110	2251	55 Ext	tension for re	ply within first month		
1. BASIC FILING FEE	1252	2 420	2252	210 Ext	tension for re	ply within second month		
Large Entity Small Entity	1253	950	2253	475 Ext	tension for re	ply within third month		
Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740 Ext	tension for re	ply within fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255 1	,005 Ext	tension for re	ply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165 No	tice of Appea	l		
1003 530 2003 265 Plant filing fee	1402	330	2402		•	support of an appeal		
1004 770 2004 385 Reissue filing fee	1403		2403		quest for oral	•		
1005 160 2005 80 Provisional filing fee		1,510				ite a public use proceeding		
SUBTOTAL (1) (\$) 770.00		2 110	2452			e - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453			e - unintentional		
Fee from Extra Claims below Fee Paid		1,330	2501 2502		ility issue fee esign issue fee	,		
Total Claims 20 -20** = X = 0.00	1502 1503		2503		ant issue fee			
Independent 3 - 3** = X = 0.00	1460		1460	130 Pe	etitions to the	Commissioner		
Multiple Dependent =	1807	7 50	1807	50 Pro	ocessing fee	under 37 CFR 1.17(q)		
Large Entity Small Entity	1806	180	1806			nformation Disclosure Stmt		
Fee Fee Fee <u>Fee Description</u> Code (\$)	8021	40	8021	40 Rec	cording each	patent assignment per number of properties)	40.00	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385 Fili	ing a submiss	sion after final rejection		
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	•	7 CFR 1.129(i	onal invention to be		
1204 86 2204 43 ** Reissue independent claims	'''	, ,,,	2010		amined (37 C			
over original patent	180					ntinued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	2 900	1802		equest for ex a design app	pedited examination lication		
SUBTOTAL (2) (\$) 0.00		Other fee (specify)						
**or number previously paid, if greater, For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00)	
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Theodore W. Olds		Registra (Attomey		33,080)	Telephone 248-988-8360		

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UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Jung

Serial No.:

Unknown

Filed:

Herewith

Title:

HIGH-EFFICIENCY TURBULATORS FOR HIGH-STAGE GENERATOR OF ABSORPTION CHILLER/HEATER

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number: EV220475142US

Date of Deposit:

December 11, 2003

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